

Converting Colors

YIQ(109.6470, -24.5850,
54.6070)

Have a look what the booklet for
YIQ(109.6470, -24.5850, 54.6070)
contains.

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Color

**YIQ(109.6470, -24.5850,
54.6070)**

Conversions

Conversions Part 1

Format	Color
Hex	7851E6
RGB	120, 81, 230
RGB Percent	47%, 32%, 90%
CMY	0.5292, 0.6824, 0.0983
CMYK	0.48, 0.65, 0.00, 0.10
HSL	256°, 75%, 61%
HSV	256°, 65%, 90%
XYZ	24.9688, 15.5891, 76.5159
YIQ	109.6470, -24.5850, 54.6070

Conversions

Conversions Part 2

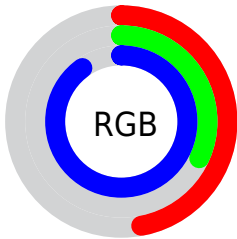
Format	Color
R _Y B	120, 81, 230
Decimal	7885286
CIE Lab	46.43, 51.13, -70.17
CIE LCh	46, 86.823, 306.077
Yxy	15.5891, 0.2133, 0.1332
Android (android.graphics.Color)	4286075366 (0xFF7851E6)
YUV	109.6470, 59.3340, 9.0796
Hunter-Lab	39.4830, 43.7873, -87.2628

Details

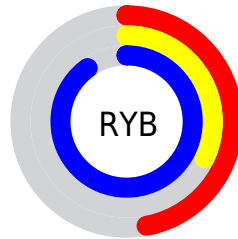
The YIQ color **109.6470, -24.5850, 54.6070** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **201.3530, 24.5850, -54.6070**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **160.0750, -11.4710, 48.2170**, and **54.9620, -30.0860, 49.6740** is the 20% darker color. If you saturate the color by 10%, you get **91.0630, -28.3920, 63.0320**, and if you desaturate by 10%, it is **128.2310, -20.7780, 46.1820**.

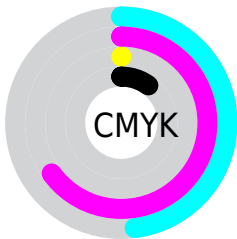
Distribution



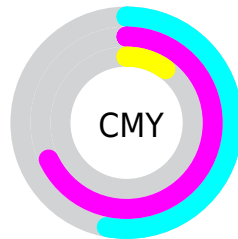
- Red (47%)
- Green (32%)
- Blue (90%)



- Red (47%)
- Yellow (32%)
- Blue (90%)



- Cyan (48%)
- Magenta (65%)
- Yellow (0%)
- Black (10%)



- Cyan (53%)
- Magenta (68%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 109.6470, -24.5850, 54.6070 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 109.6470, -24.5850, 54.6070 by changing the saturation by 10% instead.

■ 109.6470,
-24.5850, 54.6070

■ 109.6470,
-24.5850, 54.6070

■ 255.0000, -0.0000,
-0.0000

■ 82.6960, -26.2810,
52.3030

■ 160.0750,
-11.4710, 48.2170

■ 54.9620, -30.0860,
49.6740

■ 184.8940, -1.0160,
40.4560

■ 20.1990, -44.1150,
45.1090

■ 210.5990, 9.7600,
32.3840

■ 13.5660, -38.1990,
37.0090

■ 231.5200, 11.0000,
20.9200

■ 10.7160, -30.1740,
29.2340

■ 248.5430, 3.0250,
5.7530

■ 12.5620, -24.3490,
17.2750

■ 7.0050, -15.5910,

12.7370

■ 3.3230, -7.9790,
6.9410

■ 0.0000, 0.0000,
0.0000

■ 109.6470,
-24.5850, 54.6070

■ 109.6470,
-24.5850, 54.6070

■ 91.0630, -28.3920,
63.0320

■ 128.2310,
-20.7780, 46.1820

■ 72.4790, -32.1990,
71.4570

■ 146.8150,
-16.9710, 37.7570

■ 53.8950, -36.0060,
79.8820

■ 165.3990,
-13.1640, 29.3320

■ 44.1600, -38.0700,
84.2500

■ 183.9830, -9.3570,
20.9070

■ 202.5670, -5.5500,
12.4820

■ 221.1510, -1.7430,
4.0570

■ 239.7350, 2.0640,
-4.3680

■ 252.1500, 8.0250,
-7.7750

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.1620, -113.7550, 18.6370



109.6470, -24.5850, 54.6070



80.4900, 66.6930, 96.4290

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



109.6470, -24.5850, 54.6070



101.9540, 84.7300, -4.7260



95.7290, -78.0290, -34.1330

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



109.6470, -24.5850, 54.6070



201.3530, 24.5850, -54.6070

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9620, -51.8450, -57.1330



109.6470, -24.5850, 54.6070



102.2220, 41.9120, -32.7120

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



109.6470, -24.5850, 54.6070



78.5380, 117.1820, 45.9340



83.8070, -17.9160, -60.7960



103.8230, -100.8200, -12.0520

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



109.6470, -24.5850, 54.6070



81.8950, 95.8090, 86.3770



83.8070, -17.9160, -60.7960



92.1780, -69.4080, -41.6960

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



109.6470, -24.5850, 54.6070



216.0600, -8.2560, 17.4720



163.7300, -78.6290, -12.2370



103.8120, -4.8620, 11.0260



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



109.6470, -24.5850, 54.6070



94.2340, -32.8870, 72.9130



131.4740, 18.9230, 70.0830



105.2650, -2.0640, 4.3680



34.4590, -29.4470, 65.6330



9.7010, -8.6230, 18.6170

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



138.0910, 53.4940, 65.7980



132.2590, 71.4170, 87.9050



179.5260, -18.9230, -70.0830



107.6140, 4.2630, 5.3430



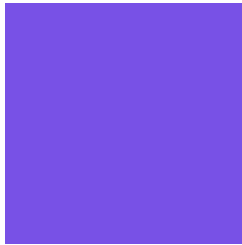
68.5690, 64.3120, 79.0000



19.5810, 18.1980, 22.6300

Previews

White Background



This preview shows how the YIQ color 109.6470, -24.5850, 54.6070 looks on a white background.

Color Contrast Check

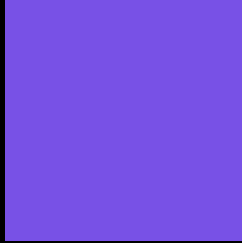
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 109.6470, -24.5850, 54.6070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

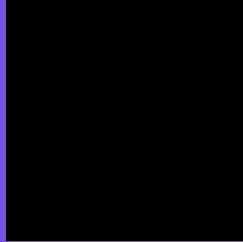
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 109.6470, -24.5850, 54.6070

Background



This preview shows how black text looks on a background with the YIQ color 109.6470, -24.5850, 54.6070.



This preview shows how white text looks on a background with the YIQ color 109.6470, -24.5850,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

109.6470, -24.5850, 54.6070

Protanopia

87.7580, -101.0540, 14.2260

Deuteranopia

87.8600, -93.0740, 1.7580



Tritanopia

107.1490, -16.5970, -2.0770

Trichromacy



Original Color

109.6470, -24.5850, 54.6070

Protanomaly

95.8590, -72.9970, 28.8830

Deuteranomaly

96.0410, -67.9980, 20.8820

Tritanomaly

107.8400, -19.2600, 18.6600

Monochromacy



Original Color

109.6470, -24.5850, 54.6070

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

109.7550, -8.7150, 20.2850

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.6470, -24.5850, 54.6070 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(120, 81, 230)` looks like.

```
.text, #text, p{  
    color:rgb(120, 81, 230)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(120, 81, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 81, 230) }
```

Border

The CSS property to change the border of an element to YIQ 109.6470, -24.5850, 54.6070 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 81, 230) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(120, 81, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(120, 81, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 81, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 81, 230);  
box-shadow:4px 4px 4px 4px rgb(120, 81,  
230) }
```

Background

The CSS property to change the background color of an element to YIQ 109.6470, -24.5850, 54.6070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 81, 230) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(120, 81,  
230) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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